



IES INDOOR REPORT

PHOTOMETRIC FILENAME : C-20-LED35-LO-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] C-20-LED35-LO-D1
 [TESTLAB] Intertek
 [ISSUE DATE] March 6, 2017
 [MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1043
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	16
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Unknown
Luminous Length (0-180)	3.00 ft (Diameter)
Luminous Width (90-270)	2.17 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	360.873	360.873	360.873	360.873	360.873	360.873	360.873	360.873	360.873	360.873
2.5	362.303	360.828	359.996	359.749	360.080	359.749	359.996	360.828	362.303	360.828
5.0	360.990	359.573	358.709	358.507	358.813	358.507	358.709	359.573	360.990	359.573
7.5	358.956	357.539	356.648	356.447	356.856	356.447	356.648	357.539	358.956	357.539
10.0	356.018	354.666	353.866	353.645	353.970	353.645	353.866	354.666	356.018	354.666
12.5	352.417	351.058	350.246	350.044	350.363	350.044	350.246	351.058	352.417	351.058
15.0	348.042	346.723	345.826	345.644	345.878	345.644	345.826	346.723	348.042	346.723
17.5	342.836	341.620	340.580	340.398	340.580	340.398	340.580	341.620	342.836	341.620
20.0	336.921	335.679	334.535	334.327	334.639	334.327	334.535	335.679	336.921	335.679
22.5	330.304	328.919	327.756	327.658	327.912	327.658	327.756	328.919	330.304	328.919
25.0	322.959	321.496	320.346	320.320	320.664	320.320	320.346	321.496	322.959	321.496
27.5	314.645	313.417	312.377	312.370	312.741	312.370	312.377	313.417	314.645	313.417
30.0	305.714	304.804	303.712	303.784	304.070	303.784	303.712	304.804	305.714	304.804
32.5	296.328	295.548	294.404	294.586	294.612	294.586	294.404	295.548	296.328	295.548
35.0	286.617	285.649	284.407	284.563	284.622	284.563	284.407	285.649	286.617	285.649
37.5	276.406	275.125	273.890	274.020	274.118	274.020	273.890	275.125	276.406	275.125
40.0	265.447	264.101	262.892	262.938	263.068	262.938	262.892	264.101	265.447	264.101
42.5	253.688	252.570	251.387	251.485	251.628	251.485	251.387	252.570	253.688	252.570
45.0	241.429	240.552	239.427	239.557	239.661	239.557	239.427	240.552	241.429	240.552
47.5	228.949	228.039	226.999	227.058	227.207	227.058	226.999	228.039	228.949	228.039
50.0	216.313	215.124	214.188	214.103	214.311	214.103	214.188	215.124	216.313	215.124
52.5	203.359	201.857	200.986	200.707	200.993	200.707	200.986	201.857	203.359	201.857
55.0	189.819	188.370	187.408	187.024	187.388	187.024	187.408	188.370	189.819	188.370
57.5	175.727	174.525	173.537	173.114	173.576	173.114	173.537	174.525	175.727	174.525
60.0	161.453	160.355	159.367	158.977	159.562	158.977	159.367	160.355	161.453	160.355
62.5	147.277	145.990	145.047	144.735	145.353	144.735	145.047	145.990	147.277	145.990
65.0	133.126	131.540	130.624	130.364	131.098	130.364	130.624	131.540	133.126	131.540
67.5	118.768	117.104	116.161	115.934	116.792	115.934	116.161	117.104	118.768	117.104
70.0	104.234	102.648	101.686	101.465	102.505	101.465	101.686	102.648	104.234	102.648
72.5	89.810	88.283	87.314	87.197	88.367	87.197	87.314	88.283	89.810	88.283
75.0	75.660	74.048	73.131	73.164	74.509	73.164	73.131	74.048	75.660	74.048
77.5	61.750	60.053	59.247	59.429	60.788	59.429	59.247	60.053	61.750	60.053
80.0	48.015	46.520	45.786	46.059	47.216	46.059	45.786	46.520	48.015	46.520
82.5	34.599	33.494	32.864	33.104	34.014	33.104	32.864	33.494	34.599	33.494
85.0	21.749	20.982	20.592	20.657	21.443	20.657	20.592	20.982	21.749	20.982
87.5	9.600	9.087	9.054	8.931	9.503	8.931	9.054	9.087	9.600	9.087
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	360.873	360.873	360.873	360.873	360.873	360.873	360.873
2.5	359.996	359.749	360.080	359.749	359.996	360.828	362.303
5.0	358.709	358.507	358.813	358.507	358.709	359.573	360.990
7.5	356.648	356.447	356.856	356.447	356.648	357.539	358.956
10.0	353.866	353.645	353.970	353.645	353.866	354.666	356.018
12.5	350.246	350.044	350.363	350.044	350.246	351.058	352.417
15.0	345.826	345.644	345.878	345.644	345.826	346.723	348.042
17.5	340.580	340.398	340.580	340.398	340.580	341.620	342.836
20.0	334.535	334.327	334.639	334.327	334.535	335.679	336.921
22.5	327.756	327.658	327.912	327.658	327.756	328.919	330.304
25.0	320.346	320.320	320.664	320.320	320.346	321.496	322.959
27.5	312.377	312.370	312.741	312.370	312.377	313.417	314.645
30.0	303.712	303.784	304.070	303.784	303.712	304.804	305.714
32.5	294.404	294.586	294.612	294.586	294.404	295.548	296.328
35.0	284.407	284.563	284.622	284.563	284.407	285.649	286.617
37.5	273.890	274.020	274.118	274.020	273.890	275.125	276.406
40.0	262.892	262.938	263.068	262.938	262.892	264.101	265.447
42.5	251.387	251.485	251.628	251.485	251.387	252.570	253.688
45.0	239.427	239.557	239.661	239.557	239.427	240.552	241.429
47.5	226.999	227.058	227.207	227.058	226.999	228.039	228.949
50.0	214.188	214.103	214.311	214.103	214.188	215.124	216.313
52.5	200.986	200.707	200.993	200.707	200.986	201.857	203.359
55.0	187.408	187.024	187.388	187.024	187.408	188.370	189.819
57.5	173.537	173.114	173.576	173.114	173.537	174.525	175.727
60.0	159.367	158.977	159.562	158.977	159.367	160.355	161.453
62.5	145.047	144.735	145.353	144.735	145.047	145.990	147.277
65.0	130.624	130.364	131.098	130.364	130.624	131.540	133.126
67.5	116.161	115.934	116.792	115.934	116.161	117.104	118.768
70.0	101.686	101.465	102.505	101.465	101.686	102.648	104.234
72.5	87.314	87.197	88.367	87.197	87.314	88.283	89.810
75.0	73.131	73.164	74.509	73.164	73.131	74.048	75.660
77.5	59.247	59.429	60.788	59.429	59.247	60.053	61.750
80.0	45.786	46.059	47.216	46.059	45.786	46.520	48.015

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CANDELA TABULATION - (Cont.)

82.5	32.864	33.104	34.014	33.104	32.864	33.494	34.599
85.0	20.592	20.657	21.443	20.657	20.592	20.982	21.749
87.5	9.054	8.931	9.503	8.931	9.054	9.087	9.600
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	131.84	N.A.	12.60
0-30	279.78	N.A.	26.80
0-40	458.09	N.A.	43.90
0-60	811.04	N.A.	77.80
0-80	1018.96	N.A.	97.70
0-90	1042.57	N.A.	100.00
10-90	1008.44	N.A.	96.70
20-40	326.24	N.A.	31.30
20-50	511.34	N.A.	49.00
40-70	482.74	N.A.	46.30
60-80	207.91	N.A.	19.90
70-80	78.13	N.A.	7.50
80-90	23.61	N.A.	2.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1042.57	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	34.13
10-20	97.71
20-30	147.93
30-40	178.31
40-50	185.10
50-60	167.86
60-70	129.79
70-80	78.13
80-90	23.61
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

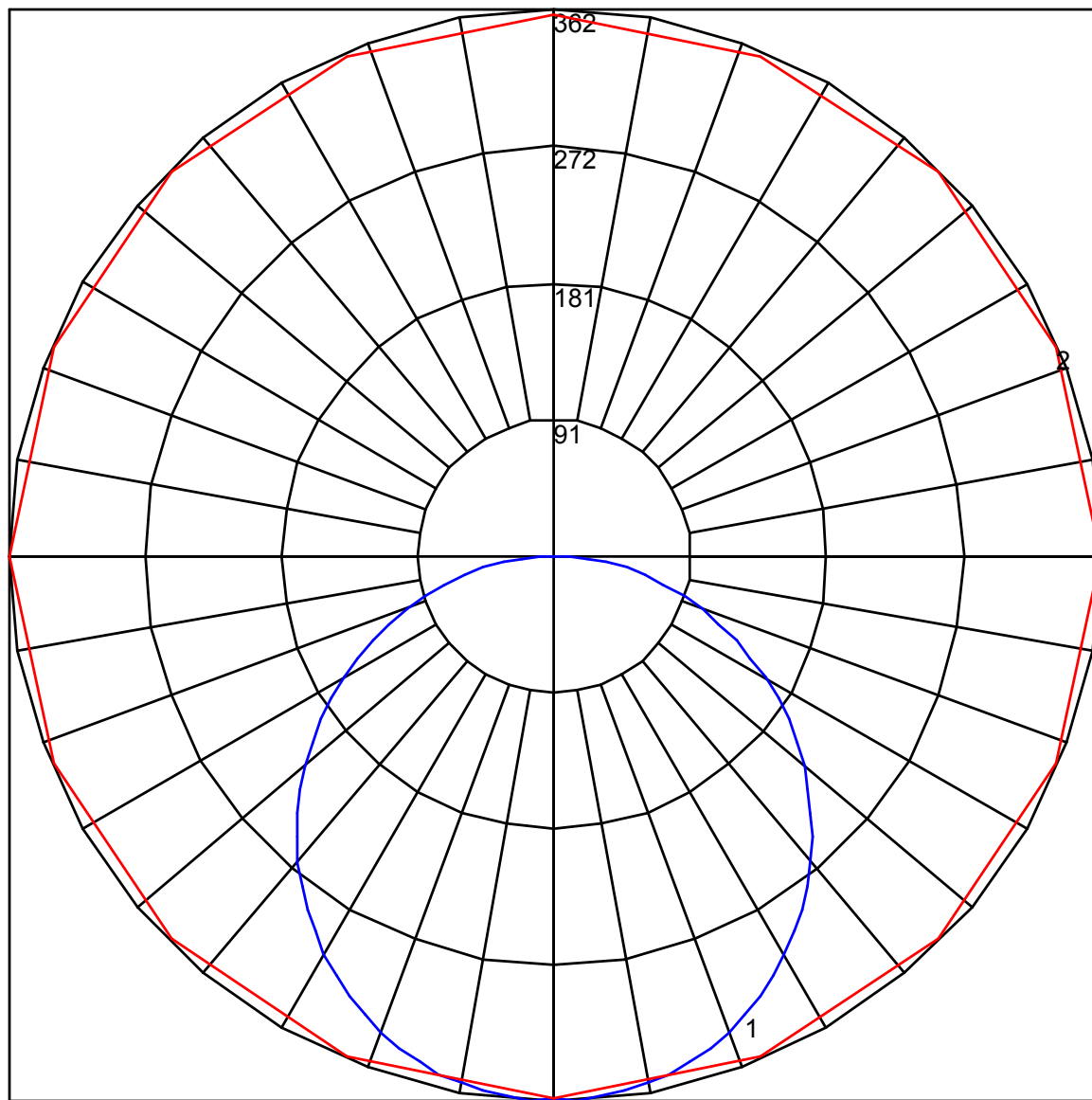
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 362.303 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)